| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-----------|------|---|-----------------|---------------------|---------|------------------|
| L1 | 1154 | (502/22,24,29,31).CCLS. | USPAT; USOCR | OR | OFF | 2006/05/14 21:24 |
| S1 | 783 | (502/22,24,29,31).CCLS. | USPAT; USOCR | OR | OFF | 2004/06/28 01:53 |
| S2 | 22 | ((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure)) | USPAT | OR | ON | 2001/09/07 10:46 |
| S3 | 7 | (((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical)) | USPAT | OR | ON | 2001/09/07 10:46 |
| S4 | 7 | ((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4 | USPAT | OR | ON | 2001/09/07 10:56 |
| S5 | 0 | (((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4) and swing adj column | USPAT | OR | ON | 2001/09/07 10:48 |
| S6 | 0 | ((((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4) and swing with column | USPAT | OR | ON | 2001/09/07 10:48 |

| | | EAST Scarci | | • | | |
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| S7 | 0 | (((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4) and swing and column | USPAT | OR | ON | 2001/09/07 10:48 |
| S8 | 3 | (((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4) and column | USPAT | OR | ON | 2001/09/07 10:49 |
| S9 | 2 | (((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4) and column with flow | USPAT | OR | ON | 2001/09/07 11:44 |
| S10 | 3 | (((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4) and apparat\$4 | USPAT | OR | ON | 2001/09/07 10:56 |
| S11 | 0 | ((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and spray\$3 | USPAT | OR | ON | 2001/09/07 10:57 |
| S12 | 0 | ((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and jet | USPAT | OR | ON | 2001/09/07 10:57 |

| | | EAST Scarci | • | | | |
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| S13 | 4 | ((((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4) and reactor | USPAT | OR | ON | 2001/09/07 10:57 |
| S14 | 1 | (((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4 with alkyl\$5 | USPAT | OR | ON | 2001/09/07 11:47 |
| S15 | 7 | (((((502/22,24,29,31).CCLS.) and (\$3butane or \$3pentane) and (benzene or toluene or ethylbenzene) and (hydrogen or oxygen or "o.sub.2" or "h.sub.2") and ((supercritical or critical) with (temperature or pressure))) and (supercritical or (super adj critical))) and cataly\$4) and vessel | USPAT | OR | ON | 2001/09/07 11:48 |
| S16 | 826 | (502/22,24,29,31).CCLS. | USPAT; USOCR | OR | OFF | 2004/06/28 02:45 |
| S17 | 852 | (502/22,24,29,31).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/06/26 17:46 |
| S18 | 15 | ((502/22,24,29,31).CCLS.) and fluid near3 (critical or supercritical) | US-PGPUB; USPAT | OR | ON | 2004/06/26 17:48 |
| S19 | 6 | (((502/22,24,29,31).CCLS.) and fluid near3 (critical or supercritical)) and (regenerat\$3 or rejuvenat\$3) with catalyst | US-PGPUB; USPAT | OR | ON | 2004/06/26 17:48 |
| S20 | 9 | (((502/22,24,29,31).CCLS.) and fluid near3 (critical or supercritical)) and (regenerat\$3 or rejuvenat\$3 or reactivat\$3) with catalyst | US-PGPUB; USPAT | OR | ON | 2004/06/26 17:52 |
| S21 | 195 | (fluid near3 (critical or supercritical)) and ((regenerat\$3 or rejuvenat\$3 or reactivat\$3) with catalyst) | US-PGPUB; USPAT | OR | ON | 2004/06/26 17:53 |
| S22 | 200 | (fluid near3 (critical or supercritical)) and ((regenerat\$3 or rejuvenat\$3 or reactivat\$3) with catalyst) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/06/26 17:54 |

| S23 | 1 | ("6579821").PN. | USPAT; USOCR | OR | OFF | 2004/06/28 01:57 |
|-----|------|----------------------------------|-----------------|----|-----|------------------|
| S24 | 2 | (("6579821") or ("5326923")).PN. | USPAT; USOCR | OR | OFF | 2004/06/28 01:57 |
| S25 | 826 | (502/22,24,29,31).CCLS. | USPAT; USOCR | OR | OFF | 2006/05/14 20:15 |
| S27 | 1154 | (502/22,24,29,31).CCLS. | USPAT; USOCR | OR | OFF | 2006/05/14 21:24 |
| S28 | 2 | (("6887813") or ("6579821")).PN. | USPAT; USOCR | OR | OFF | 2006/05/14 20:16 |